

WE CLAIM

1. A method of creating thermal functional designs of textiles and clothing using a computer and visual display monitor controlled by the computer, the method comprising supplying the computer with information from databases relating to thermal physiological characteristics of a human body and thermal characteristics of chosen textile materials for computational simulation of the information, and creating visual images for the monitor showing modules of thermal functional designs.

2. The method according to claim 1, in which the database of the human body comprises human model data for specific body functions, including size and shape.

3. The method according to claim 1, in which the database of the garments comprises clothing patterns data and product specification data.

4. The method according to claim 1, in which the database of the human body comprises thermal property data, including thermo-physiological and thermal comfort data of human body.

5. The method according to claim 1, in which the database of the textile materials comprises thermal

property data, including fibres, yarns, fabrics and garments.